

WE CLAIM:

1. A device for conversion of centrifugal force to linear force and motion, said device comprising:  
a first gear fixed to a first arm and having a first connecting bar rotatably attached to and abutting the inner side of said first gear and a second connecting bar rotatably attached to and abutting the outer side of said first gear;

5 a second gear in opposite rotational communication with said first gear and weighted along an outer edge and is rotatably attached to and abutting said first connecting bar and said second connecting bar; and

10 a first drive means for translating centrifugal motion of said first gear to unidirectional motion.

2. A device as in claim 1, further comprising:

a third gear in opposite rotational communication with said first gear and weighted along the outer edge which rotates about said first gear and being rotatably attached to said first connecting bar and said second connecting bar

5 one hundred and eighty (180) degrees from said second gear.

3. A device as in claim 1, further comprising:

a third gear in opposite rotational communication with said first gear and weighted along the outer edge which rotates about said first gear and being rotatably attached to said first connecting bar and said second connecting bar

5 one hundred and eighty (180) degrees from said second gear;

a third connecting bar rotatably attached to said first gear;

a fourth gear in opposite rotational communication with said first gear, being ninety (90) degrees from said second gear and weighted along the outer edge, and being rotatably attached to said third connecting bar;

10                   a fifth gear in opposite rotational communication with said first gear, being 270 degrees from said second gear and weighted along the outer edge, and being rotatably attached to said third connecting bar; and  
                         a third connecting bar rotatably attached to said first gear.

4.       A device as in claim 3, further comprising:  
                         a fourth connecting bar rotatably attached to said first gear said first connecting bar and abutting an outer side of said third connecting bar.

5.       A device as in claim 1, wherein said first gear rotates in a clockwise direction and said second gear rotates in a counterclockwise direction.

6.       A device as in claim 1, further comprising a second drive means for translating centrifugal motion of said first gear to unidirectional motion.

7.       A device for conversion of centrifugal force to linear force and motion, said device comprising:

                         a first gear fixed to a first arm and having a first connecting bar rotatably attached to and abutting the inner side of said first gear;

5                   a second gear in opposite rotational communication with said first gear and weighted along an outer edge and is rotatably attached to and abutting said first connecting bar; and

                         a first drive means for translating centrifugal motion of said first gear to unidirectional motion.

10                   8.       A device as in claim 7, further comprising:  
                         a third gear in opposite rotational communication with said first gear and weighted along the outer edge which rotates about said first gear and being

5 rotatably attached to said first connecting bar one hundred and eighty (180) degrees from said second gear.

9. A device as in claim 7, further comprising:  
a third gear in opposite rotational communication with said first gear and weighted along the outer edge and being rotatably attached to said first connecting bar one hundred and eighty (180) degrees from said second gear;  
5 a fourth gear in opposite rotational communication with said first gear and weighted along the outer edge which rotates about said first gear and is rotatably attached to said first connecting bar ninety (90) degrees from said second gear; and  
a fifth gear in opposite rotational communication with said first gear and weighted along the outer edge which rotates about said first gear and being rotatably attached to said first connecting bar two hundred and seventy (270) degrees from said second gear.

10. A device as in claim 7, wherein said first gear rotates in a clockwise direction and said second gear rotates in a counterclockwise direction.

11. A device for conversion of centrifugal force to linear force and motion, said device comprising:  
a first gear fixed to a first arm and having a first connecting bar rotatably attached to and abutting the inner side of said first gear and a second connecting bar rotatably attached to and abutting the outer side of said first gear;  
5 a second gear in opposite rotational communication with said first gear and weighted along an outer edge and is rotatably attached to and abutting said first connecting bar and said second connecting bar;  
a third gear in opposite rotational communication with said first gear and weighted along the outer edge which rotates about said first gear and being  
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rotatably attached to said first connecting bar and said second connecting bar one hundred and eighty (180) degrees from said second gear;

15        a fourth gear in opposite rotational communication with said first gear, being ninety (90) degrees from said second gear and weighted along the outer edge, and being rotatably attached to said third connecting bar;

      a fifth gear in opposite rotational communication with said first gear, being two hundred and seventy (270) degrees from said second gear and weighted along the outer edge, and being rotatably attached to said third connecting bar;

20        a third connecting bar rotatably attached to said first gear, said fourth gear and said fifth gear; and

      a first drive means for translating centrifugal motion of said first gear to unidirectional motion.

12.      A device as in claim 11, wherein said first gear rotates in a clockwise direction and said second gear rotates in a counterclockwise direction.

13.      A device as in claim 11, further comprising a second drive means for translating centrifugal motion of said first gear to unidirectional motion.